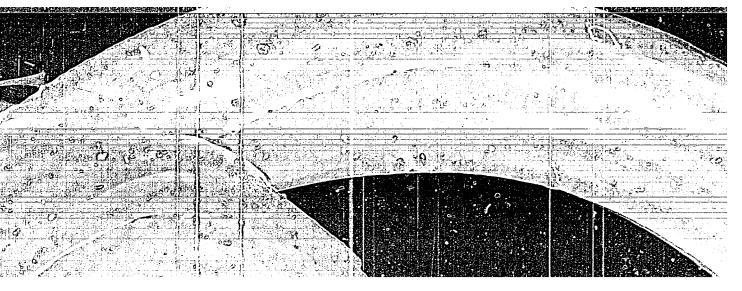
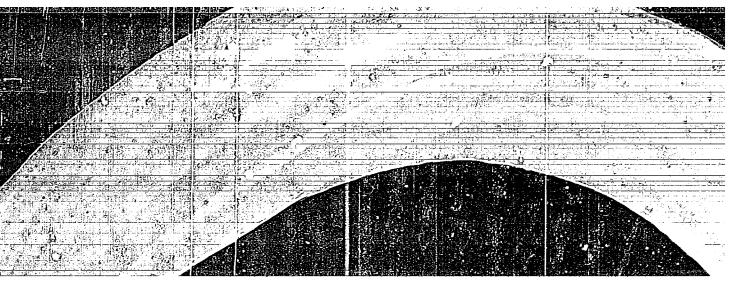
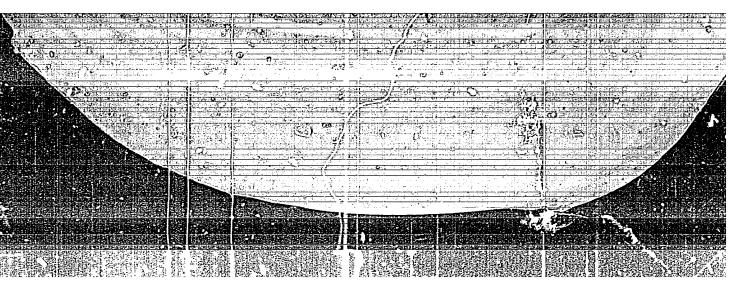


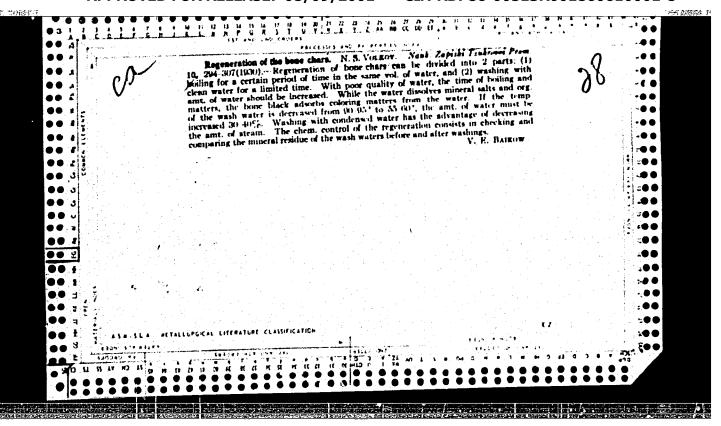
"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8



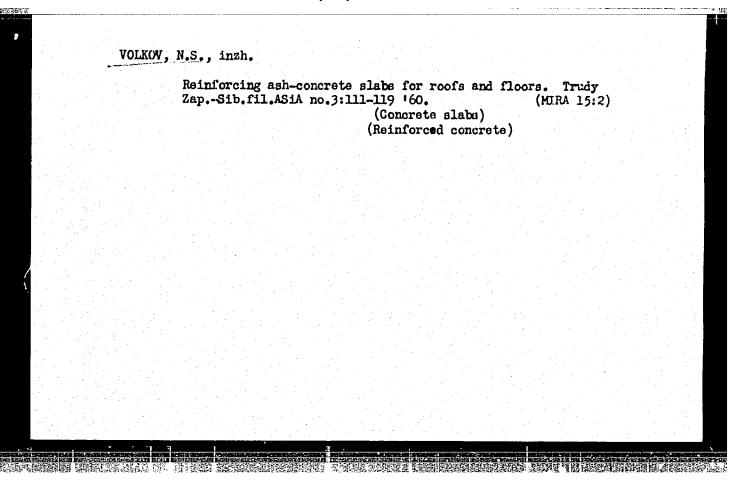
"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8

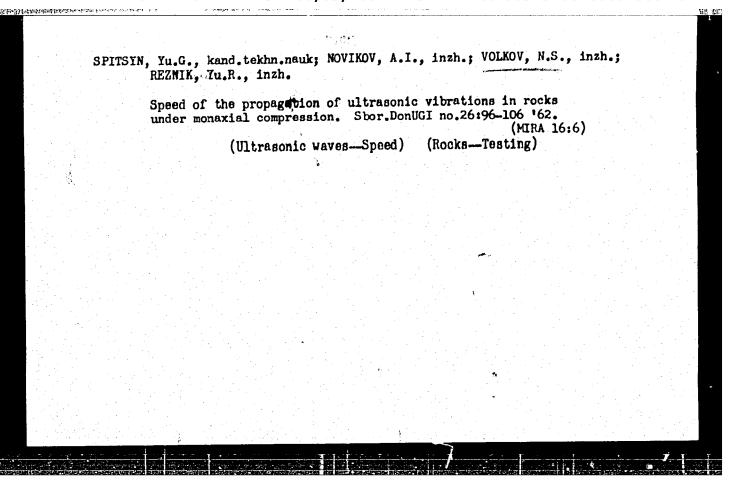


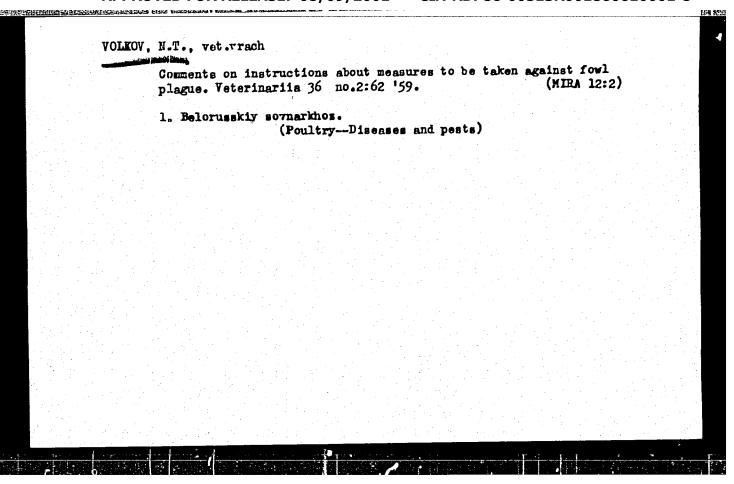




Investiga	ting the	there's	ម គេល់ ដែ	នេស្សែត	្ ទី <b>អស្</b> វាប់វ	auding 37	5.11.2	
163-191	de atod a 164.	্ ইয়েল্ড	о веры.	S. St¢s.	institutet Ti	(111 ha - )	7:1	
				·				 <u> </u>







ZOLOTAREV, V.I.; PEKSHEV, Yu.A.; AVSENEV, Yu.M.; KAPRANOV, I.A.; KISVYANTSEV, L.A.; SHVETSOV, N.'I.; TELEGIN, Ya.I.; POTAPOV, V.I.; KISVYANTSEV, L.A.; ZYKOV, A.A.; NETRUSOV, A.A.; SKNIN, V.P.; MAKSIMOVA, A.P.; NIKOLAYENKO, Zh.I.; YOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.; POPOV, N.N.; KARSHINOV, L.N.; YAKIMOVA, T.A.; BASHKANIKHIN, I.K.; KITKOVICH, A.Ya.; SHALASHOV, V.P.; VORONKOV, F.N.; VEKSHIN, G.K.; CHISTYAKOV, M.A.; IVANOV, N.I., red.; SLADKOVSKIY, M.I., red.; LKPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development of the people's democracies] Razvitie ekonomiki stran narodnoi demokratii; obzor za 1957 g. Pod red. N.I. Ivanova i dr. Moskva, Izd-vo sots.-ekon.lit-ry, 1958. 619 p.

(MIRA 12.7)

1. Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut.
(Economic conditions)

# VOLKOV, N. V.

ZOLOTAREV, V.I.; AVSENEV, Yu.M.; KAPRANOV, I.A.; KISVYANTSEV, L.A.; PEKSHEV, Yu.A.; SHVETSOV, H.I.; TELEGIN, Ya.I.; POTAPOV, V.I.; KISVYANTSEV, L.A.; ZYKOV, A.A.; HETRUSOV, A.A.; SKRIN, V.P.; MAKSIMOVA, A.P.; HIKOLAYENKO, Zh.I.; YOLKOV, H.Y.; KALASHNIKOV, A.A.; PLAKSIN, S.V.; POPOV, H.H.; KARSHINOV, L.N.; YAKIMOVA, T.A.; BASHKANIKHIN, I.K.; KETKOVICH, A.Ya.; SHALASHOV, V.P.; VORONKOV, F.N.; VEKSHIN, G.K.; CHISTYAKOV, M.A.; IVANOV, N.I., red.; SLAIKOVSKIY, M.I., red.; LEPHIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Development of the economy of the people's democracies; a survey for 1957] Razvitie ekonomiki stren narodnoi demekratii; obzor sa 1957 g. Pod red.N.I.Ivanova i dr. Moskva, Isd-vo sotsial'ne-ekon. 11t-ry, 1958. 610 p. (MIRA 12:2)

1. Moscow. Nauchne-issledovst. kon yunkturnyy institut.
(People's democracies) (Ecenomic conditions)

PIROGOV, A.A.; RAKINA, V.P.; KRASS, Ya.R.; VOLKOV, N.V.; BELICHENKO, G.I.; GALATOV, N.S.; NESTEROVA, A.L.; KORKOSHKO, N.M.; YEL'TSOV, V.V.

Dolomite magnesite blocks for lining oxygen-blown converters.

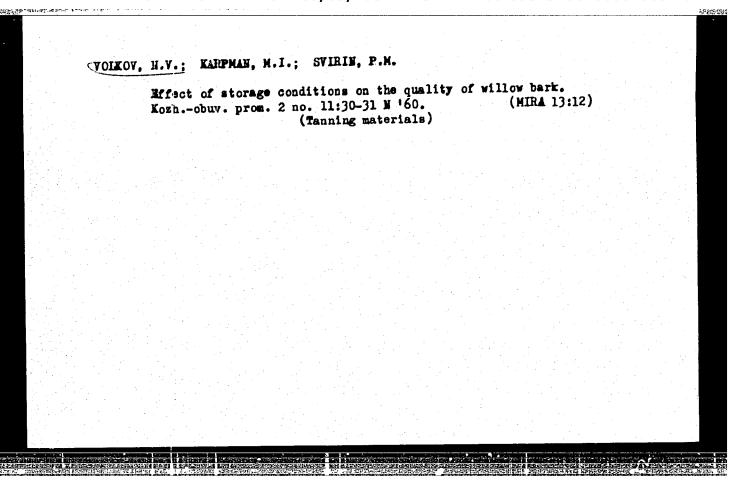
Ogneupory 30 no.9:4-5 '65. (MIRA 18:9)

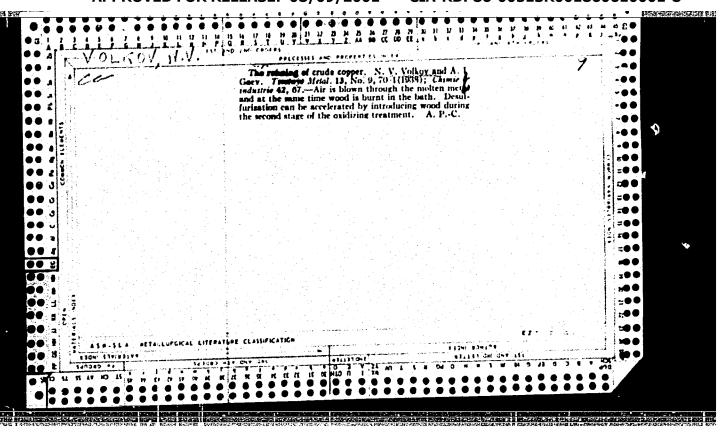
1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Pirogov, Rakina, Krass, Volkov, Belichenko).
2. Krivorozhskiy metallurgicheskiy zavod (for Galatov, Nesterova, Korkoshko, Yel'tsov).

NIKIFOROV, L.A.; NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; SHVETSOV, N.I.;
PLAKEIN, S.V.; POPOV, N.N.; PEKSHEV, Yu.A.; KARSHINOV, L.N.;
YAKIMOVA, T.A.; SHALASHOV, V.P.; VASYAHIH, Yu.L.; ELASHOV, L.V.;
PUSENKOV, N.N.; VASIL'YEVA, G.N.; TSAGURIYA, G.M., tekhn. red.

[Economic development of the people's democracies of Europe and Asia; statistical collection] Razvitic ekonomiki stran narodnoi demokratii Evropy i Azii; statisticheskii sbornik. Moskva,
Vneshtorgizdat, 1961. 470 p. (MIRA 15:5)

(Communist countries--Statistics)





6,2000

S/193/60/000/005/010/012 A004/A001

AUTHOR:

Volkov, N.V.

TITLE:

The Hungarian Instrument-Making Industry

PERIODICAL:

Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 5, pp.

75 - 78

TEXT: The author presents a survey on the development of the Hungarian instrument-making industry and points out that by the end of 1959 18,000 workers, i.e. 8% of the total number of workers occupied in the Hungarian mechanical engineering industry, were employed in instrument-making. The gross product per worker has risen from 1949 to 1959 by 2.3 times, while at present the Hungarian instrument-making industry is manufacturing 3,700 instrument items, 90% of which are mechanical, electrical and electronic measuring devices. One of the most important items are electric meters, produced by one of the biggest Hungarian instrument-making plants - the "Gants" Plant. The following production figures present an idea of the increase in the electric-meter production (in thousands); 1953 - 293; 1957 - 339; 1958 - 476; 1959 - 490, (the last figure being an estimate based on the data on the data of 10 months). The production of electronic devices and instruments is becoming more and more important. At the Electronic

Card 1/4

S/193/60/000/005/010/012 A004/A001

The Hungarian Instrument-Making Industry

Measuring Device Plant (EMG) some 100 different devices are produced, most of them for communication-purposes. The author mentions and partly gives a description of the following devices of this category: The "Orion-EMO 1176" signal generator which makes it possible to obtain modulated signals within a wide frequency range, from 1,800 to 4,000 Mcps, maximum output power 1 mw; the "Orion-EMG 1382/B" wattmeter for power measurements in the range of 0.03-5 mw with an accuracy of  $\pm$  10%, a frequency band of 1,800-4,000 Mcps at a standing wave coefficient of 2; the "Orion-FMV 1691" measuring receiver devised for the measurements of field voltage or voltage of amplitude-modulated VHP signals. This receiver can be used in radiorelay lines with pulse modulation or as radar receiver. It has a frequency range of 2,700 - 3,000 Maps, the maximum noise coefficient is 17 decibels, sensitivity to VHF signals not less than 6 µ v at an input resistance of 50 ohm, sensitivity to signals of intermediate frequencies (2 Mcps) not less than 3 µv, the pass band for intermediate frequencies is 0.3 Mcps; the "Orion-EMG 1551" double-trace laboratory oscilloscope devised for the simultaneous observation of two phenomena. The pass bands of the two amplifiers of the device are from 20 cps to 5 Mcps. The device ensures a thousandfold amplification; the 2738/S-3 double-beam ferrotester devised for the rapid and accurate measurement of magnetization characteristics,

Card 2/4

The Hungarian Instrument-Making Industry

8/193/60/000/005/010/012 A004/A001

magnetic saturation, residual magnetism, coercive force, magnetic permeability, etc. without changing the structure of the specimens during the tests. The tests are carried out at frequencies from 20 - 1,000 cps, the input is about 12 va; the "Orion-KTS 2891/S" device devised to determine the magnitude of moments in statically indeterminate structures; the "Gigromatik" type 2829 hygrometer with interchangeable measuring cylinders intended to measure the moisture content of grain and other granular or powdery materials. The operation of the hygrometer is based on the variations of the dielectric properties of hygroscopic materials. A relative humidity in the range of 0-30% can be measured with a precision of + 0.5%. For nuclear physics the "Orion-EMO 1863" portable ion-chamber radiation meter has been developed for the measurement of radioactive radiation of 30, 100, and 300 milliroentgen/hour intensity with an accuracy of not less than ± 15% of the upper scale limit. The "Orion-EMG 1873" laboratory counter is intended for investigations connected with intensive radioactive radiation. In combination with scintillation and proportional counters the device can be used for power measurements. The medium counting rate is 25,000 pulses/second. The resolving power is  $5 \mu$  sec, the input sensitivity can be varied in the range of 1 - 500 mv. The author points out that in 1959 nearly 80% of all instruments produced in Hungary were exported. One of the biggest importers of Hungarian instruments is Card 3/4

4

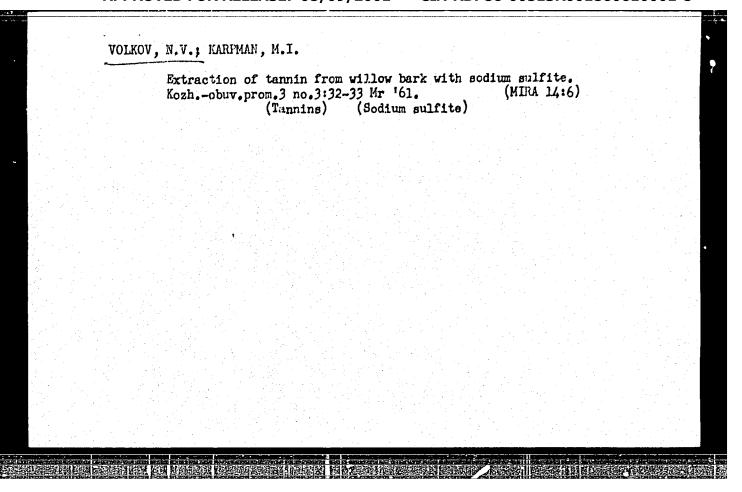
The Hungarian Instrument-Making Industry

S/193/60/000/005/010/012 A004/A001

the Soviet Union, having imported in 1958 instruments to the value of 12.4 million rubles, which is 7% of the total instrument importation of the Soviet Union. During the second Five-Year Plan (1961-1965) the Hungarian instrument-making industry will greatly increase its productive capacity and will, according to the plan, increase its output of electronic devices by 3.4 times. There are 3 figures, 1 Soviet and 9 non-Soviet references.

Card 4/4

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"



Electric industries in Hungary. Biul.tekhekon.inform. no.2:77-80 '60. (Hungary—Electric engineering)  (Hungary—Electric engineering)	Volkov. N	v.v.	
		no 2:77=80 160.	

137-58-6-11963

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 111 (USSR)

AUTHOR:

Volkov, N.V.

TITLE:

Fire Refining of "Overblown" Blister Copper (Ognevoye rafinirovaniye "peredutoy" chernovoy medi)

PERIODICAL:

Byul. tsvetn. metallurgii, 1957, Nr 9, pp 19-20

ABSTRACT:

The profitability of "overblowing" Cu in the converter lies in the fact that the duration of Cu blow therein is 3-4 min, while in an anode furnace it would be 2-2.5 hrs. Experiments show that when the "overblown" Cu contains N3.5% Cu2O, it is easy to cast smooth, even pigs therefrom which are handy for charging into an anode furnace. The smelting of such overblown Cu in an anode furnace requires 17-20% less time than does that of ordinary blister Cu. Despite the clear advantage of blowing Cu in the converter to v3.5% Cu2O contents, copper smelters are continuing to produce ordinary blister Cu.

1. Copper ores--Processing 3. Furnaces--Effectiveness

2. Copper--Froduction

A.P.

Card 1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8" L.A.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENEV, Yu.M.; KISVYANTSEV, L.A.; SHVETSOV, N.I.; TELEGIN, Ys.I.; ZYKOV, A.A.; SEHIN, V.P.; NETHUSOV, A.A.; GAVRILOV, V.V.; HIKOLAYENKO, Zh.I.; VOLKOV, H.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.; POPOV, H.N.; KARSHINOV, L.N.; YAKIMOVA, T.A.; SHALASHOV, V.P.; KOSONOGOV, L.A.; PUSENKOV, N.N.; LEPHIKOVA, Ys., red.; MOSKVINA, R., tekhn.red.

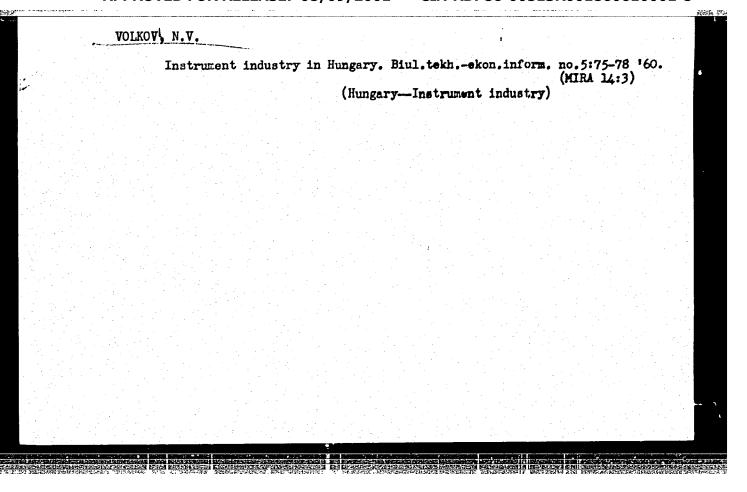
[Economic development in the people's democracies; survey for 1958] Hazvitie ekonomiki stran narodnoi demokratii; obsor za 1958 g. Pod red.M.I.Sladkovskogo i dr. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 358 p. (MIRA 13:7)

1. Moscow. Nauchno-issledovatel'skiy kon yunkturnyy institut.
(Communist countries--Economic conditions)

PEKSHEV, Yu. A.; LKNSKIY, B. V.; AVSENOV, Yu. M.; MII, ONOV, V.S.; KISVYANTSEV, L. A.; TELEGIN, Ya. I.; POTAPOV, V.I.; NETRUSOV, A. A.; ZYKOV, A. A.; KUDIN, B. M.; MAKSI-MOVA, A.P.; NIKOLAYENKO, Zh.I.; VOIKOV, N.V.; SHVETSOV, N.I.; PLAKSIN, S. V.; PCPOV, N.N.; KARSHINOV, L. H.; YAKIMOVA, T. A.; SHALASHOV, V.P.; VISYANIN, Yu. L.; KRASNOV, L. V.; PUSENKOV, N.N.; IVANOV, N.I., red.; ZOLOTAREV, V.I., red.; SLADKOVSKIY, M.I., red.; LEPNIKOVA, Ye., red.; KOROLEVA, A., mladshiy red.; NOGINA, N., tekhn. red.

[Economic development of the people's democracies; survey for 1959]
Razvitie ekonomiki stran narodnoi demokratii; obzor za 1959 god. Pod
red. N.I.Ivanova i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960.
305 p. (MIRA 14:6)

1. Moscow. Nauchno-issledovatel'skiy kon"yukturnyy institut. (Europe, Eastern-Economic conditions)



	1424							
Na	fabrikakh 149 No 9, S	otlEchnogo	kachyestva.	(Yarosl.	Zordneya	fabrika.)	Tyentil. Prox-stv	<b>.</b>
50	: IFTOPIS	No. 34						
•								

EOLOTAREV, V.I.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSKNEV, Yu.M.;

KISVYAHTSEV, L.A.; SHVETSOV, N.I.; TELEGIN, Ye.I.; ZYKOV, A.A.;

SENIN, V.P.; NETRUSOV, A.A.; GAVRILOV. V.V.; NIKOLAYEHKO, Zn.I.;

VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKEIN, S.V.; POPOV, N.N.;

KARSHINOV, L.N.; YAKIMOVA, T.A.; SHALASHOV, V.P.; KOSONOGOV, L.A.;

PUSENKOV, N.N.; SLADKOVSKIY, M.I., red.; IVANOV, N.I., red.;

LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development in the people's democracies; review for 1958] Razvitie ekonomiki stran narodnoi demokratii; obzor za 1958 g. Pod red. M.I.Sladkovskogo i dr. Moskva, Izd-vo sotsial'-no-ekon.lit-ry, 1959. 358 p. (NIRA 13:7)

1. Moscow. Nauchno-issledovatel skiy kon yunkturnyy institut. (Communist countries--Economic conditions)

FRENKKL', P.Ya.; KRASUKHIN, M.N.; VOLKOV, N.V.; KARPMAN, M.I.;

MAYOROVA, Te.I.

Using the ion exchange method for refining tanning bark extracts.

Kozh.-obuv.prom. 2 no.?:28-30 Jl '60. (MIRA 13:8)

(Tanning materials) (Ion exchange)

Automobile 160.	industry in				form. n (MIRA	13:10)	/0	
	(Hungar	y-Automob	lle indust	ry ·				
							*	
					+ - + .		* * *	

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"

PIROGOV, A.A.; RAKINA, V.F.; VOLKOV, N.V.

Unburned dolomite refractories with a high resistance to hydration. Ogneupory 28 no.6:269-275 '63. (MIRA 16:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov. (Firebrick—Testing) (Hydration)

The furnituder.prom.	ure industry 10 no.9:3-	is fulfill.	ing its seven	-year pla	MIRA 14:10)	
1. Gosplan	SSSR.	(Furniture	industry)			

· · · · · · · · · · · · · · · · · · ·	25776. Se
124322=66 ENT(1)/EWT(m)/EPF(n)-2/ENG(m)/T/EWP(t) IJP(c) JD/JG/AT  BOURCE CODE: UR/3158/65/000/016/0001/0010	
TO THE AMENALITEE	3.5
Pashchenko, V. T.: Pashchenko, V. P.	
AUTHOR: Volkov, N. V.; Gus'kov, Yu. K.; Zyukov, v. z.  ORG: Physics and Power Institute, State Committee on the Use of Atomic Energy, SSSR  ORG: Physics and Power Institute, Gosudarstvennyy komitet po ispol'zovaniyu atomnoy	
(riziko-energentenesmi)	= 1
energii SSSR)  TITLE: Effect of size of interelectrode gap on the operation of cesium thermionic	
TITIE: Effect of size of interesections gar	
converter  SOURCE: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16, 1965. Vliyani- source: Obminsk. Fiziko-energeticheskiy institut. Doklady, no. 16,	
ve velichiny nezheteau omiss	
1-10 TOPIC TAGS: cesium electron tube, cesium plasma, thermoelectric convertor, volt ampere characteristic, gas kinetcs, pressure effect, impact ionization ampere characteristic, gas kinetcs, pressure effect, impact ionization	
my authors have measured the dependence the thornionic-converter	
the discharge ignition in the arc discharge mode at a constant certain pade usually at	
	-
optimal cesium pressure and character of the physical processes begins a movable	
data to explain the role and that the measurements were made with a tube having a move the optimal conditions. The measurements were made with a tube having a move the could be anode. The molybdenum cathode was heated with an electron gun, and the gap could be	
anode. The mody	2
Card 1/2	
Card — ·	

# L 24322-66

ACC NR: AT6006755

varied from 0.2 to 8 mm. The anode was stainless steel and its temperature was controlled by air cooling. The volt-ampere characteristics were taken both with an oscilloscope and with a pointer-type meter. The experimental plots of the saturation curve against the gap length (L) and of the output power were compared with calculations based on the kinetic theory. The tests show that the dependence of the short-circuit current on the gap and on the pressure is characterized by the presence of a maximum, confirming earlier results. An increase in the temperature of sence of a maximum, confirming earlier results. An increase in the temperature of the cathode improves the ignition and combustion conditions for the arc, for both the cathode improves the ignition and combustion conditions for the arc, for both larger and smaller gaps. The output power of the converter has a stronger dependence on the gap than the short-circuit current, but in the region of  $I/\lambda = 5--25$  ( $\lambda = 0$ ) on the gap than the short-circuit current, but in the region of  $I/\lambda = 0$ , and the arc electron mean free path) the power likewise changes little. A distinction is made electron mean free path) the power likewise changes little. A distinction is made between two types of operation — without volume ionization ( $\lambda / L = 1$ ), and the arc mode ( $I/\lambda$  much larger). The theoretical and experimental results are compared for both modes. Orig. art. has: 7 figures and 4 formulas.

SUB CCDE: 1920/ ORIG REF: 009/ OTH REF: 007

SIBA DATE! NOTE

con 2/2 W

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"

EWI(1)/EWI(m)/EEC(k)-2/T/EWP(t)/ETI IJP(c) FTW/JD/TT/WW/JG/AT SOURCE CODE: UR/0057/66/036/008/1475/1480 L 45167-66 AP6028622 ACC NRI UTHOR: Volkov, N. V.; Gus'kov, Yu. K.; Zyukov, V. I.; Pashchenko, V. P. ORG: none TITLE: Influence of the length of the interelectrode gap on the operation of a lesium thermoelectric Zhurnal tekhnicheskoy fiziki, v. 36, no. 8, 1966, 1475-1480 SOURCE: TOPIC TAGS: thermionic energy conversion, cesium, electric arc, cesium plasma ABSTRACT: The authors have invostigated the effect of the interelectrode gap length on the behavior of cesium vapor discharges between an electron beam heated molybdenum cathode and an air cooled stainless steel anode. Both electrodes were 12 mm in diameter, and the gap between them was varied from 0.2 to 8 mm. The cesium vapor pressure was varied at least over the range from 0.2 to 2.0 mm Hg. Meters and an oscilloscope were employed to record the discharge currents and voltages. The results are interpreted in terms of the theory of S.A.Mayev (Dissertation, FTI AN SSSR, L., 1962) and S.A. Mayev and I.P. Stakhanov (Izv. AN SSSR. charactercurrent-voltage istic practically did not change with change of gap length and in the undercompensated regime the pressure for maximum power was virtually the same as that for maximum current. Considerable increase of the power output in the undercompensated regime can 1/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"

	atter approximate hort circuit currely with increase iderable hysteres re regime the posens free path and ng the cesium proposed decrease to thouse the content of the cont	ereasing the pressurely equal to the element was maximum for the gap beyond is in the quenching was maximum for decreased with dessure in order to the gap length so are path approximated. Dahleen, and I.E. G.N. Hatsopoulos (Afigures.	or a certain gap led the optimum value and ignition gar a gap length be ecrease of the gap increase the powers to keep the rately constant. This	ength and decrease on until the arc was lengths was obstween 5 and 25 times below this value or output in the io of the gap length is in agreement	ons quenched. ierved. In the constant of the electron of the constant of the with the fine 1962) and	Con- ie con eas- ne dings
--	--	---	--	--	--	---------------------------

For a successful completion of the third year schedule of the seven- year plan. Der.prom. 10 nc.1:1-3 Ja '61. (MIRA 14:2)
1. Gosplan SSSR. (Woodworking industries)

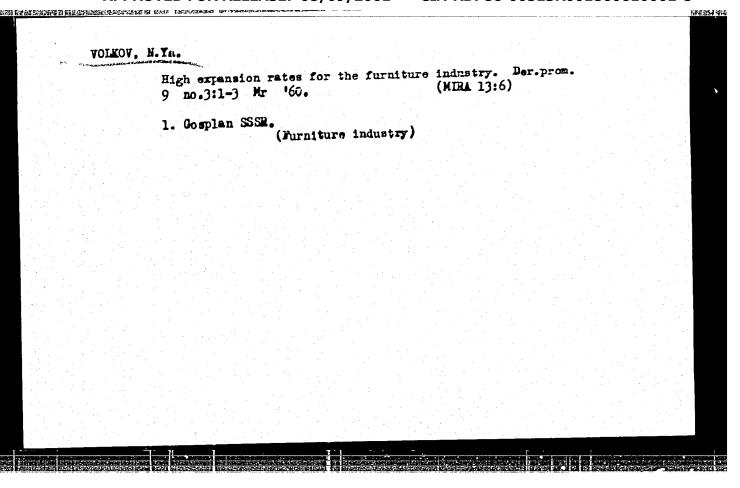
PETROV, Boris Sergeyevich, prof., doktor ekon. nauk; VOLKOV, N.Ya., retsenzent; SITAHINA, D.Ye., red.; POLUNICHEV, I.A., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Production organization and planning in the woodworking industries]
[Production organization and planning in the woodworking industries]
Organizatsiia i planirovanie proizvodstva na derevoobrabatyvaiushchikh Organizatsiiakh. Moskva, Goslesbumizdat, 1960. 312 p. (MIRA 14:6)

ASITHE STILL BAS INTRUME CONSTRUCTION OF THE

1. Starshiy inzhener sektora derevoobrabotki lesnogo otdela Gosplana SSSR (for Volkov)

(Woodworking industries—Management)



AUTROA	Using a mining method in laying underground piping. Prom. stroi. 40	
	no.7:36-37 162. (MIRA 15:7)	
	1. Trest Metallurgstroy, Tula. (Tunneling) (Metallurgical plants—Equipment and supplies)	:

N.Z.; SMERTYUK, V.G.	tural filler for	lightweight o	concrete.	Shakht. (MIRA 10:9)	
stroi. no.8:30 Ag	'57. (Spongolite)	(Concrete)			

VOLKOV,	Fire hazards of the electronic calculating machines. Pozh.delo (MIRA 16:9) 9 no.8:12-14 Ag '63. (Electronic computers—Design and construction) (Fire prevention)

ACCESSION NR: AP4011360

S/0118/64/000/001/0034/0037

AUTHOR: Volkov, O. I. (Engineer)

TITLE: Problems of improving economic efficiency of automatic production lines

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 1, 1964, 34-37

TOPIC TAGS: automatic production line, automatic line economics, automobile factory, Likhachev automobile factory, Gor'kiy automobile factory, 1-GPZ ball

ABSTRACT: The adoption of automatic production lines in the Likhachev and Gor'kiy automobile factories, the f-GPZ ball-bearing factory and elsewhere has proven "economically inefficient." The cost of mounting five automatic lines, introduced at the Likhachev factory in 1961, was about 20% of the entire equipment cost. It is expected, however, that the saving on labor will pay the cost of 11 new automatic lines being mounted in the same plant for processing the components of the ZIL-130 car; the number of operators is expected to be reduced from 443 to 65. The above data is detailed in a table. Thanks to better automatic, rather than manual, utilization of equipment, such as stamping

Card 1/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8" ACCESSION NR: AP4011360

presses, as well as to other causes, labor productivity is expected to rise by 6-10 times, while the necessary additional investment increases by 30-40%. MPL-4, MRL-8, and MRL-9 lines, on the other hand, required an additional investment of 119% and yielded only an 18% gain in labor productivity; no automatic turning-lathe-type line is considered economical. It is concluded that the best way to offset the increased investment and maintenance cost of automatic lines is to standardize the assemblies and units that constitute the line; then, large-batch or mass production of such units would reduce their cost. Several other instances are cited where automation is not economically justifiable because of its higher cost compared with the wages of the workers it would replace. Orig. art. has; 2 tables.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 14Feb64

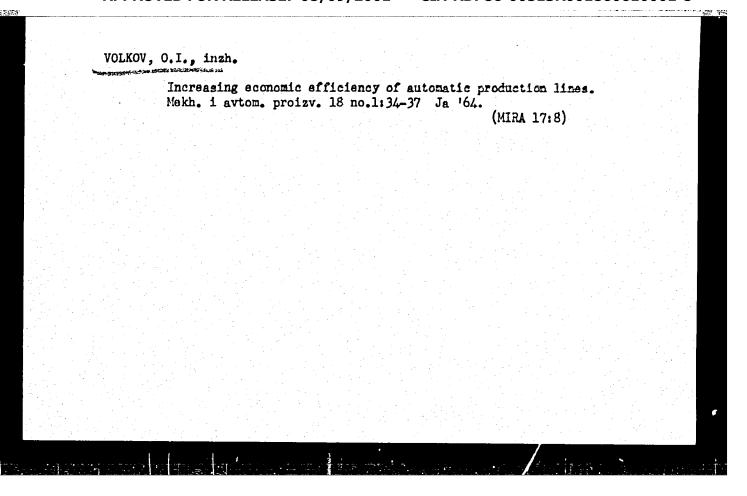
ENCL: 00

SUB CODE: JE

NO REF SOV: 000

OTHER: 000

Card 2/2



VOLKOV, Oleg Mikhaylovich; PRIKHOD'KO, Leonid Leonidovich; MAKAROV, V.M., red.; KOMONOV, A.S., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Fire prevention measures in the operation of electronic calculating machines] Pozharnaia profilaktika pri ekspluatatsii elektronnykh vychislitel'nykh mashin. Moskva, Izd-vo M-vo kommun.khoz. RSFSR, 1962. 50 p. (MIRA 16:4) (Electronic computers) (Fire prevention)

MYAKOTKIN, Yu.I.; EL'KIN, I.A.; VOLKOV, O.N., inzh., retsenzent; ORLOV, G.N., inzh., retsenzent; FEROV, G.A., inzh., retsenzent; BAULIN, V.A., red.; EL'KINA, E.M., tekhn. red.

[New equipment for public food-serving establishments] Novce oborudovanie predpriiatii obshchestvennogo pitaniia. Moskva, Gos. izd-vo torg. lit-ry, 1961. 198 p. (MIRA 15:2) (Restaurants, lunchrooms, etc.—Equipment and supplies)

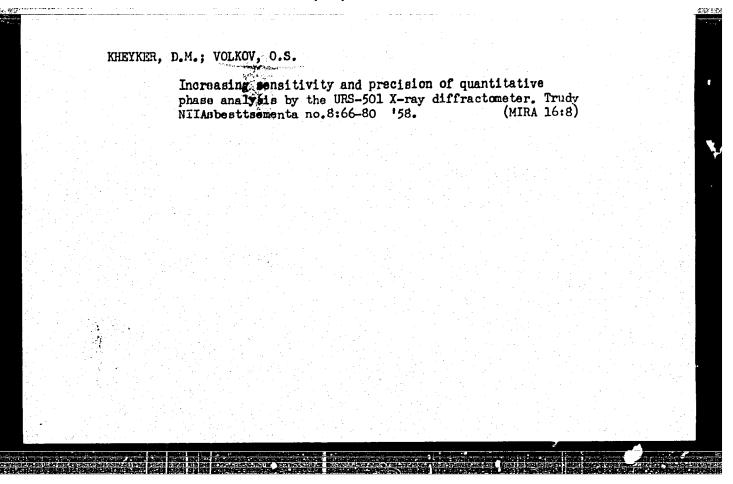
MALININ, Yu.S.; RYAZIN, V.P.; VOLKOV, O.S.

Quantitative determination of the mineralogical composition of

clinker using an X-ray diffractometer. TSement 28 no.3:14-16 My-Je 162. (MIRA 15:7)

1. Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy institut tsementnoy promyshlennosti.

(Cement clinkers) (X rays--Diffraction)



S/C /62/000/024/073/073 B166/B186

AUTHORS: Malinin, Yu. S., Ryazin, V. P., Volkov, O. S.

TITLE: Quantitative determination of the mineralogical composition

of clinker by X-ray diffractometry

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 593, abstract

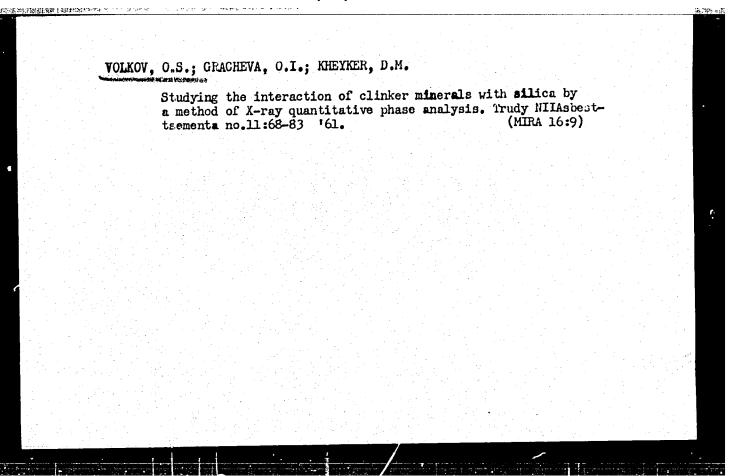
24K434 (Tsement, no. 3, 1962, 14 - 16)

TEXT: A YPC-50 M (URS-50I) X-ray diffractometer with a focusing crystal monochromator was used for quantitative phase analysis of the clinkers of a number of cement plants. CaF<sub>2</sub> was taken as the internal standard. Calibra-

tion curves were plotted from synthetic clinker minerals ground to pass a 0.063 mm sieve. These curves were used to study the clinkers from a number of coment plants and also several specimens of fused cement. The data obtained on C<sub>3</sub>S and C<sub>3</sub>A content in general agreed satisfactorily with the

results of the petrographic determination of these minerals. The content of alumoferrites and  $C_2\lambda$  has to exceed 5% before they can be determined, and  $C_2S$  can only be determined if it is present in a quantity >15%. Card 1/2

	A Company of the Comp		
Quentitative	determination	S/081/62/000/024/073/073 B166/B186	
	s note: Complete translation.		
			_
Card 2/2			



VOLKOV, O.S.; ZEVIN, L.S.; KEYKER, D.M.

High-temperature attachment to the URS-501 diffractometer for the study of the dehydration of asbestos cement and its component minerals. Trudy NIIAsbesttsementa no.11:84-90 '61. (MIRA 16:9)

S/032/63/029/002/021/028 B101/B186

AUTHORS:

Kheyker, D. M., and Volkov, O. S.

TITLE:

High-temperature attachment to the X-ray diffrastometer

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 2, 1963, 225 - 227

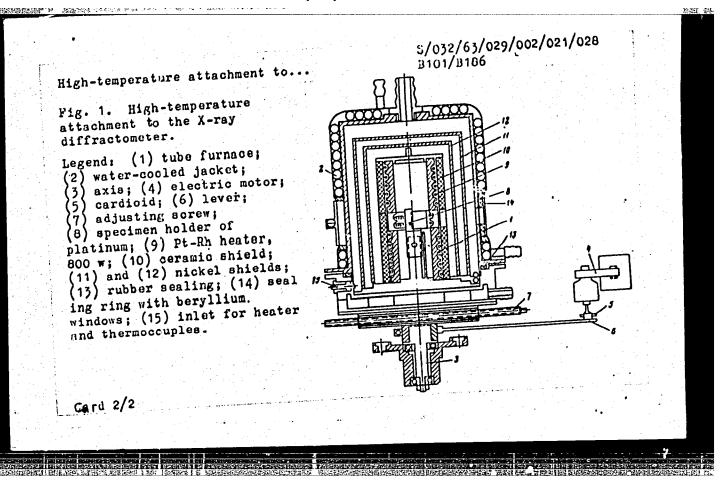
TEXT: An attachment (Fig. 1) to the X-ray diffractometer is described which enables the error in measuring the diffraction reflexes to be reduced by vibrating the attachment at 25 cycles/min through an angle of 4°. This makes it possible to heat the specimen up to 1400°C and to carry out measurements in air, in vacuum or in inert gas. At 800°C the temperature difference within the specimen did not exceed 10°C. The circuit makes it possible to program the temperature rise. X-ray patterns of 3CaO·SiO<sub>2</sub>·2H<sub>2</sub>O were taken between 25 and 1425°C and the phase transitions became visible owing to the liberation of H<sub>2</sub>O. There are 3 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut "NIIAsbesttsement" (Scientific Research Institute "NIIAsbesttsement")

Card 1/2

### "APPROVED FOR RELEASE: 08/09/2001

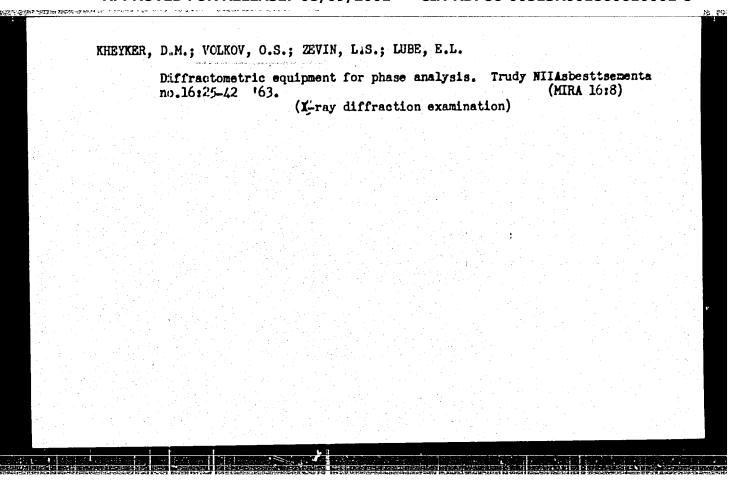
CIA-RDP86-00513R001860610001-8

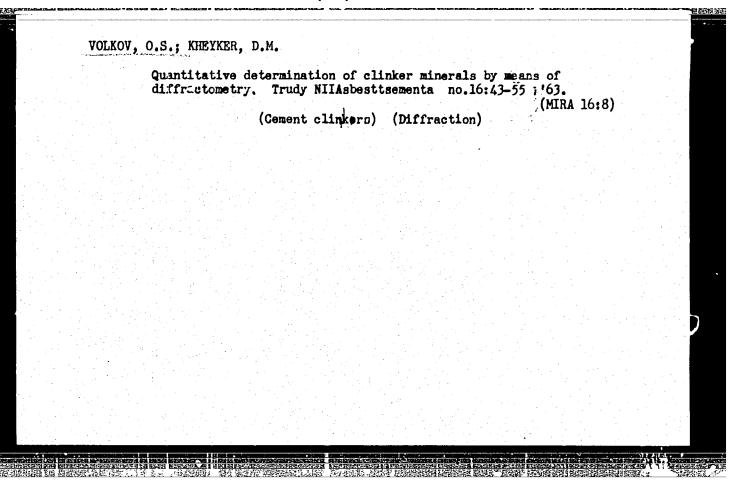


VOLKOV, O.S., inzh.; SOKOLOV, P.N., prof.

Hydration and solidification of individual clinker minerals and the effect of an addition of asbestos on these processes.

Trudy NIIAsbesttsementa no.14:3-23 '62. (MIRA 16:9)





sov/70-3-1-7/26

Umanskiy, M.M., Kheyker, D.M. and Volkov, O.S. AUTHORS:

Procedure for the Use of the URS-50I Apparatus as a TITLE:

Monocrystal Diffractometer (Priyemy ispol'zovaniya apparata URS-501 kak diffraktometra dlya monokristallov)

Kristallografiya, 1958, Vol 3, Nr 1, pp 43 - 48 (USSR) PERIODICAL:

The URS-501 apparatus was designed for X-ray structural ABSTRACT:

analysis with ionisation-counter recording and was described by loffe in Ref 1. The present paper describes a method for converting this apparatus into a monocrystal diffractometer. A description is given of an attachment which can be used to determine the relative orientation of the crystal and the counter. A procedure is given for the adjustment of the crystal; determination of the parameters of the elementary cell and measurement of the

integrated reflection intensity. The integrated reflection intensity is measured by a method analogous to that described by Cochran in Ref 4 and the counter resolving time

is measured by an oscillographic method described by Klug et al in Ref 3. Geiger counters are used as detectors but it is intended to use scintillation and proportional

counters. Card1/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"

SOV/70-3-1-7/26

Procedure for the Use of the URS-501 Apparatus as a Monocrystal Diffractometer

There are 5 figures, and 5 references, 2 of which are Soviet and 3 English.

Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov)

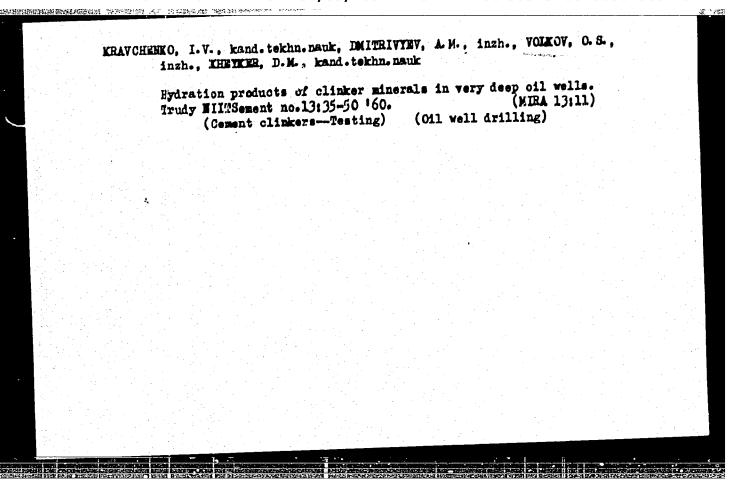
VNIIASBESTTSEMENT

SUBMITTED:

March 23, 1957

Card 2/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"



AUTHORS:

Volkov, O. S., Kheyker, D. M.

B/032/60/036/03/045/064 B010/B117

310, 211,

TITLE:

Attachment to the Diffractometer of the Type URS-50-I Used for Phase

Analysis

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 36, Nr 3, pp 363-364 (USSR)

TEXT: An attachment intended for use in qualitative and quantitative phase analyses with the apparatus of the type URS-50-I is described. If a thermostat in used, high-precision determinations of the lattice constants can be performed as well. The base plate of the attachment is fastened to the goniometer table, and is connected with the overlying table of the attachment by means of a differential screw (Fig 1). On this table, there is a support with a gear and the sample holder. The sample can be rotated at a speed of 20 rpm by a motor of the type SD-60 by means of the gear. On the other hand, the table can be placed in a position perpendicular to the surface of the sample by the differential screw. The calibration of the attachment is performed by using special adjusting parts (Fig 2). Methods used to ascertain the zero position of the counter slit are described. There are 3 figures and 3 references, 2 of which are Soviet.

Card 1/2

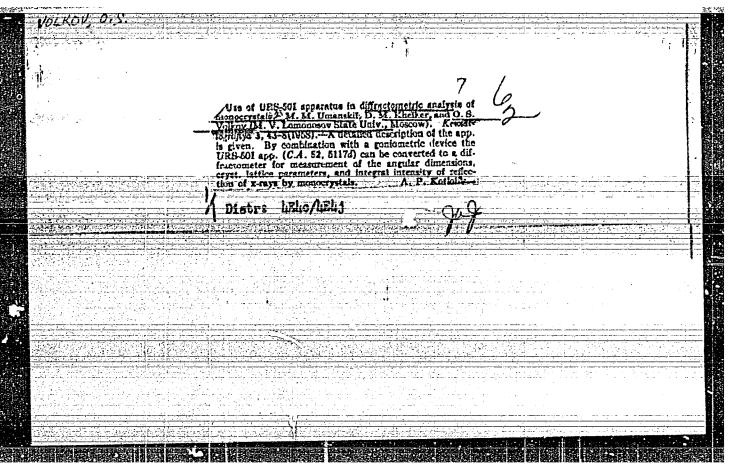
Attachment to the Diffractometer of the Type URS-50-I Used for Phase Analysis

8/032/60/036/03/045/064 B010/B117

ASSOCIATION: Nauchno-issledovatel'skiy institut asbesta, slyudy, asbestotsementnykh izdeliy i proyektirovaniya stroitel'stva predpriyatiy slyudyanoy promyshlennosti (Scientific Research Institute of Asbestos, Mica, Asbestos Cement Products, and for Planning the Construction of Plants of the Mica Industry)

Card 2/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"



VOLKOV, O.S.; KHEYKER, D.M.

Attachment to the URS-50 diffractometer for phase analysis. Zav. lab. 26 no.3:363-364 '60. (MIRA 13:6)

l. Mauchno-issledobatel'skiy institut asbesta, slyudy, asbotsementnykh izdeliy i proektirovaniya stroitel'stva predpriyatiy slyudyanoy promyshlennosti.

(Diffraction) (Grystal lattices)

Kristallografia 3 m	0.1:43-48 '58.	ctometer for monocrystals. (NIRA 11:5)	
1. Moskovskiy gosuli (L-rays—	aretvennyy universitet Diffraction) (Scinti	im. M.V. Lomonosova llation counters)	

KHEYKER, D.M.; VOLKOV, O.S. High temperature attachment to X-ray diffractometer. Zav.lab. 29 no.2:225-227 163. 1. Nauchno-issledovateliskiy institut besta, slyudy, asbestotsementnykh izdeliy i proyektirovaniya storitelistva predpriyatiy slyudyanoy promyshlennosti.
(X rays—Equipment and supplies)

> APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860610001-8"

MALININ, Yu.S., kand.tekhn.nauk; RYAZIN, V.P., inzh.; VOLKOV, O.S., inzh.

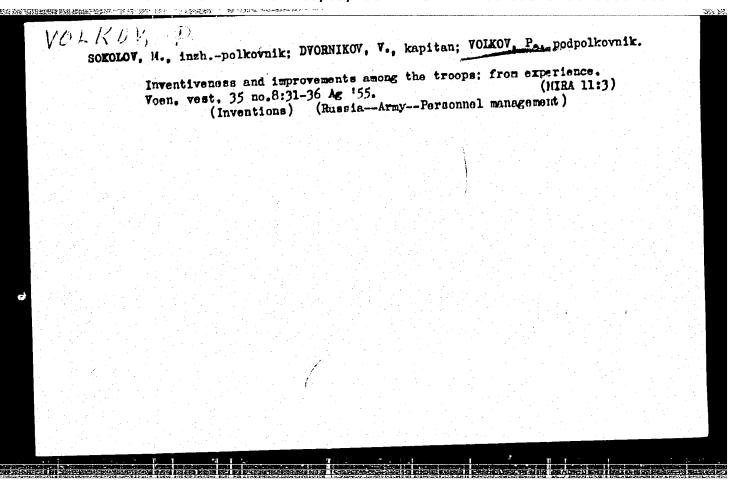
Quantitative X-ray phase analysis of clinker. Trudy NITTSement
(MIRA 16:5)
no.17:3-12 '62.
(X rays-Industrial applications) (Gement clinkerp-Analysis)

THE CHICAGO COLUMN TO THE COLU

MIKHALEVSKAYA, Ye.S.; VOLKOV, O.S.; BULANOVA, L.P.; BERKOVICH, T.M.

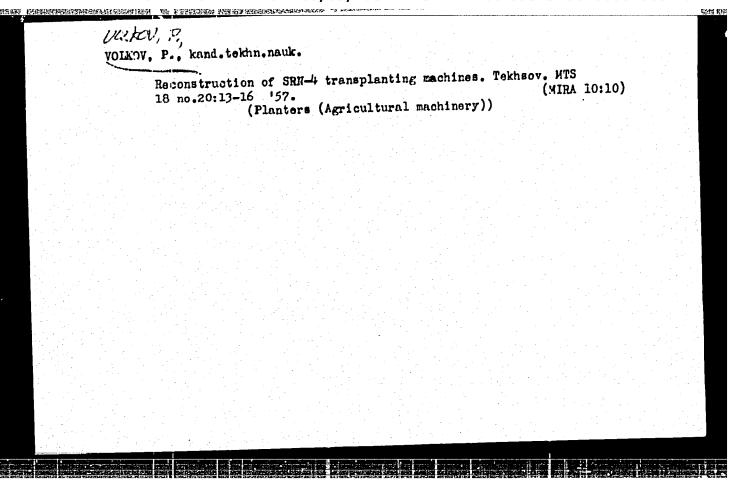
Effect of the water-cement factor on the kinetics of cement and asbestos cement hydration. Trudy NIIAsbesttsementa no.15:31-37 (MIRA 16:7)

162. (tement) (Asbestos cement)



1. Starshiy inzh. Gidrograficheskogo predpriyatiya Gidrograficheskogo upravleniya Glavsevmorputi.  (Nautical astronomy)	Making astronomic observations by various time posision lines.  (MIRA 14:6)  Mor.flot 21 no.1:17-20 Ja '61.
	1. Starshiy inzh. Gidrograficheskogo predpriyatiya Gidrograficheskogo

<del>-</del>	New exploration of the relief of the Greenland Sea bottom. (MIRA 14:6) Mor.flot 21 no.3:35-37 Mr 161.
	l. Nachal'nik gruppy Gidrograficheskogo predpriyatiya Glavseymorputi. (Greenland Sea-Submarine topography)

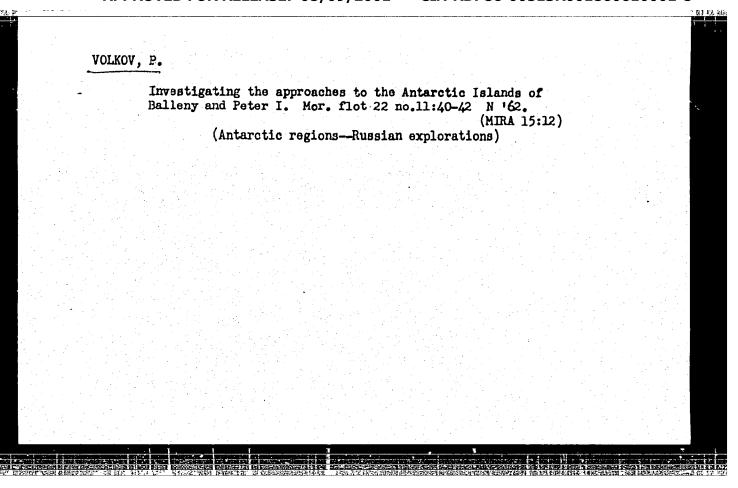


A OFFOA	Equipment Fo.6:22 J	for mechanica	l opening and	i closing of	doors.	Posh.delo 3 (MEA 10:7)	
		(Fire Depa	rtmentsEqui	ipment and s	mbbrres)		
E							
			the transfer of the				
 i kata							
			1.1				
					-		

BURDASTYKH, Yegor, tekhnolog (g.Orel); MAKAROV, V. (g.Arzamas);
KARPUSHCHENKO, V. (Leningrad); SHTENNIKOV, F., personal'nyy
pensioner (g.Gor'kiy); GODILO, A., kontrol'nyy master (g.Cherkessk);
VOLKOV, P., inzh.-tekhnolog (g.Cherkessk); BURLAK, M. (g.Makeyevka); BELYAYEVSKIY, V., inzh. po izobretatel'stvu i ratsionalizatsii (g. Kirovakan); TYURIKOV, A. (g.Omsk)

> This is the way we live. Izobr.i rats. no.1:11 '64. (MIRA 17:4)

> 1. Zavod imeni Medvedeva (for Burtdastykh). 2. Chlen Soyuza zhurnalistov SSSR (for Godilo). 3. Cherkesskiy zavod kholodil'nogo oborudovaniya, Cherkessk (for Godilo, Volkov). 4. Chlen redkollegii mnogotirazhki makeyevskogo metallurgicheskogo zavoda "Kirovets", g. Makeyevka (for Burlak). 5. Rukovoditel' Omskogo obshchestvennogo konstruktorskogo byuro zheleznodorozhnikov (for Tyurikov).



507/50-58-12-10/20 3(0) Volkov, P. A. AUTHOR: On the Mechanism of the Breakage of Air Bubbles (O mekhanizme TITLE: rezrusheniya vozdushnykh puzyr'kov) Meteorologiya i gidrologiya, 1958, Nr 12, pp 38-40 (USSR) PERIODICAL: The mechanism mentioned in the title has been neglected for a long time by the scientists. The author does not fully agree ABSTRACT: with L. I. Belyayev (Refs 1,2) whose considerations he considers to be insufficient. Belyayev whose papers have not been read abroad did not examine his considerations (Figs 1,2) experimentally. The author mentions his own slow-motion pictures of the emergence, the staying on the water surface, and the breakage of the air bubbles (Fig 3). In contrast with Belyayev's opinion (Fig 2a) the bubble does not move completely on the surface (Fig 3a), about half its body forms a correspondingly deep hollow on the surface. Figure 3b shows the moment of the breakage of the bubble shell. A funnel-shaped hollow has formed on the surface. A thin water jet comes out from the middle of the funnel. Neither details of the shell rupture nor its consequences could be observed on the pictures. (Fig 3v). The central water jet becomes thicker and strongly Card 1/3

On the Mechanism of the Breakage of Air Bubbles

SOV/50-58-12-10/20

expands upwards. At the top of the water jet a visible water drop is detached into the air. It is prolate-cylindrical. On further pictures (not shown) the flight of the released drop further upwards and the flattening of the central water jet in the middle of the funnel can be seen. On the surface another hollow is formed, which has, however, a longer diameter. From the rims o. this funnel concentric surface waves propagate. Finally, the hollow disappears and the waves die down. The author describes the probable process as he understands it according to the above observations. The bubble remains 2-5 sec. on the surface until its destruction. It could not be found out to what forces this rupture of the shell is due. Also its splinters are so small that they so not appear on the picture. In this point the author agrees with the scheme set up by Belyayev. Several drops can be jetted forth up to a height of 20 cm. Thus, foaming is a very productive source for squirting small and very small drops. They are seized by the wind and carried off to higher air layers which are less saturated with moisture. The rate of evaporation of these drops is very high

Card 2/3

On the Mechanism of the Breakage of Air Bubbles

Sov/50-58-12-10/20

(almost as in the vacuum, Ref 4). Thus, it may be maintained that foaming which represents the main factor in the formation of serosols considerably increases evaporation. There are 3 figures and 5 references, 4 of which are Soviet.

3 (7) AUTHOR:

Volkov, P. A.

807/50-59-3-8/24

TITLE:

On the Mechanical Evaporation on the Water Surface (O

mekhanicheskom isparenii s vodnov poverkhnosti)

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 3, pp 37 - 39 (USSR)

ABSTRACT:

Using special methods of investigations the author tried to explain the quantitative aspect of mechanical evaporation on the surface of the water as it actually takes place in nature. In contrast to the usual methods experiments were made to bring about certain phenomena which are characteristic of the moving surface of the water. It is true, it was not possible to reproduce the moving surface as it actually occurs in nature but foam formation could be brought about rather easily. The paper by L. I. Balyayev (Refs 1, 2) shows how far formation may influence mechanical evaporation. The author of the present paper made a time-lapse photograph of the water bubbles in the stage of emerging, staying on the water surface, and of their destruction (Ref 3). These photographs confirm the considerations made by Belyayer. The experimental investigations were carried out by the author on the island of Artem in the Caspian Sea. The

Card 1/2

On the Mechanical Evaporation on the Water Surface SOV/50-59-3-9/24

evaporation surface was in the area of the Kaspiyokaya nauchnolast elevated skeys stentelys (Kaspiyolmya Scientific Research
Statistics the Institut eleanologic AN SSSR (Institute of Oceanology AS USSR). A GGT-3000 evaporation were used. Three of them
were provided with a levice for form formation of different inwere provided with a levice for form formation. They demonstrate
tensity. The results are shown in a diagram. They demonstrate
that form absolutely increases the rate of evaporation. This
influence becomes manifest only after a certain intensity is
attained. Furthermore, the diagrams show that the difference in
the intensity of evaporation increases with the decrease of the
salt content of the evaporating water at the expense of form
formation. There are 2 figures and 3 Soviet references.

Card 2/2

### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860610001-8

AUTHOR:

Volkov, P. A.

S/050/60/000/04/010/018 B007/B017

TITLE:

On the Transfer of Liquid in the Propagation of Surface Waves

PERIODICAL:

Meteorologiya i gidrologiya, 1960, Nr 4, pp 38-41 (USSR)

TEXT: The complicated problem concerning the propagation of liquid with the depth of the shifted water mass, the drift current with the propagation of the waves in the littoral wave zone and the drift velocity has been little investigated so far. In this connection, mention is made of studies made in the research laboratories of P. K. Bozhich (Ref 1), A. A. Dmitriyev (Ref 2), R. Russell (Ref 7), and R. Bagnold (Ref 5), as well as of theoretical investigations by A. A. Dmitriyev (Ref 2) and M. Longuet-Higgins (Ref 6). Here, the author offers experimental results obtained by himself in the study of liquid propagation by waves in the various littoral zones. Experiments were conducted at the experimental station of the Chernomorskaya stantsiya Instituta okeanologii AN SSSR (Black Sea Station of the Institute of Oceanology of the AS USSR). Amaranth served as a dye. Figure 1 shows the curves for the water drift velocity at various depths as dependent on wave reight and wave length. These curves may be divided into three sections: two boundary layers (on the solid bottom of the current and on the liquid surface) and the layer in between with a rather large drifting liquid mass. Figure 3 shows the amount and direction of the velocity of the drifting liquid current on the Card 1/3

On the Transfer of Liquid in the Propagation of Surface Waves

S/050/60/000/04/010/018 B007/B017

surface as a function of the ratio between wave length and current depth. The corresponding curves were drawn through the experimental points, and two clear and independent curve branches were obtained: one in the range of positive velocities (i.e., in the direction of the wave propagation) and the other in the direction of negative velocities. A jump occurs in the curves at a ratio of 3.5 ÷ 4.5 between wave length and current depth. It may be therefore assumed that in this range the drift current may change its direction. As far as this range extends (as seen from the sea) the total propagation of the water occurs in the boundary layers in the direction of wave propagation, whereas in the intermediate layer it takes place in the opposite direction. In the littoral wave zone it is the other way round. This finding also explains the contradictions contained in the papers by P. K. Bozhich and R. Bagnold on the one hand, and in those by A. A. Dmitriyev and R. Russell on the other. In addition, experiments clearly showed the presence of a drift near the ground, which moved in the direction of the wave propagation in all cases. This drift, caused by a passage of successive waves, was delimited by a clearly marked 1-3mm high layer. Special experiments were made to clarify the behavior of the current with a change in the bottom roughness. These experiments revealed that water drift is conserved in the 1-3 mm high layer near the ground in the direction of the wave propagation on a horizontal bottom exhibiting the roughness of a planed Card 2/3

On the Transfer of Liquid in the Propagation of Surface Waves

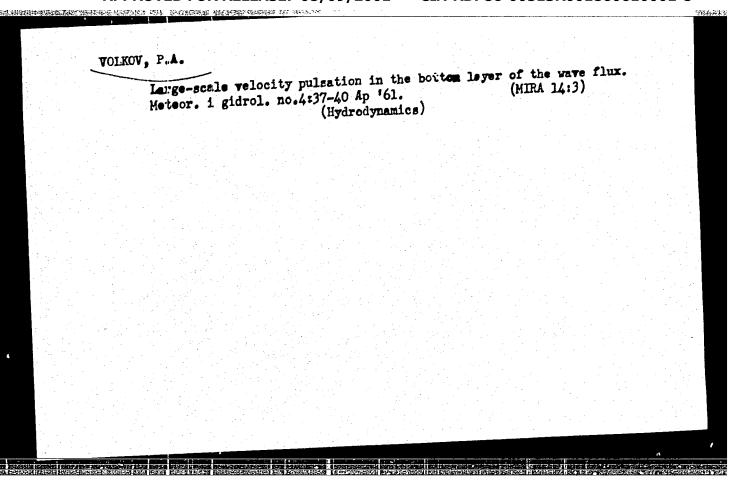
PER BERGERA DAN TERRETAKKAN PER BERGERAKAN PER BENGERAKAN PER BERGERAKAN PER BERG

S/050/60/000/04/010/018 B007/B017

board, and on the surface of a well piled sand. The layer of the drift current near the ground also reaches the coastal slope and moves along the latter up to the breaking line of the waves. Experiments showed that this line parts the coastal slope into two independent water circulation systems (with a motion in the coastal zone). The drift velocity rises on smooth bottom with an increase in wavelength and wave height. There are 4 figures and 7 references, 4 of which are Soviet.

Card 3/3

VOLKOV,	P.A				
	Some data on the rate water surface. Trudy (Evaporate	of mechanical e Inst. okean. 37 ion) (Foam)	raporation from t :149-154 160. (MI	the RA 14:8)	
The state of the s	A PRINCEY THE SECOND SECURITIES			· i :::     - i : - : - : - : - : - : - : - : - : -	



VOLKOV, P., insh.-gidrograf

Accuracy of measuring the altitude of celestial bodies at sea.

Mor. flot 20 no.9:15-17 S '60.

1. Machal'nik gruppy obrabotki antarktichoskikh materialov Gidrograficheskogo predpriyatiya Glavseymorputi Ministerstva morskogo flota.

(Nautical astronomy)

1. Institut okeanologii AN SSSR. (Waves)	Resistance coefficient of round membranes in the wave flux of a liquid. Okeanologiia 1 no.5:911-914 °61. (MIRA 15:3)	
	1. Institut okeanologii AN SSSR. (Waves)	
	에 보고 있는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다. 1985년 - 1985년	

P.A.; IONIN, Magnitude of 2 no.3:410	f nonerosive	MWAG AG	ocities f	or gravel.	Okeanologiia (MIRA 15:7)	
	okeanologii	an sssr.	(Waves)	(Gravel)		

Connection between noncutting and disrupting critivelocities of the wave flux. Okeanologiia 2 no.6:1'62. (MIR  1. Institut okeanologii AN SSSR.	lca1 1020-1023 1A 17:2)
l. Institut okeanologii AN SSSR.	

Hydraulic characteristics of shell sediments. nc.4:680-683 '63.	Okeanologiia 3 (MIRA 16:11)	
1. Institut okeanologii AN SSSR.		

Significance of maximum bottom velocities in the shore zone. Okeanologiia 1 no.32	432-438
1. Institut okeanologii AN SSSR.	(MIRA 16:11)

	Use 1			<b>.</b>								
	New da	ata on	the wave	ITOM P	ottom I	ayer reg	dime"					
	Report	to be	submitte cs (IUGG)	d for t	he 13th ley Cal	Ceneral	Assembly 31 Aug 63	, Intl.	Union	of (	Geodesy	
					ē.							
												-
							Yayani Santan Kabupatèn					
10.1											-	
		5.7										
			ya nafilia in									

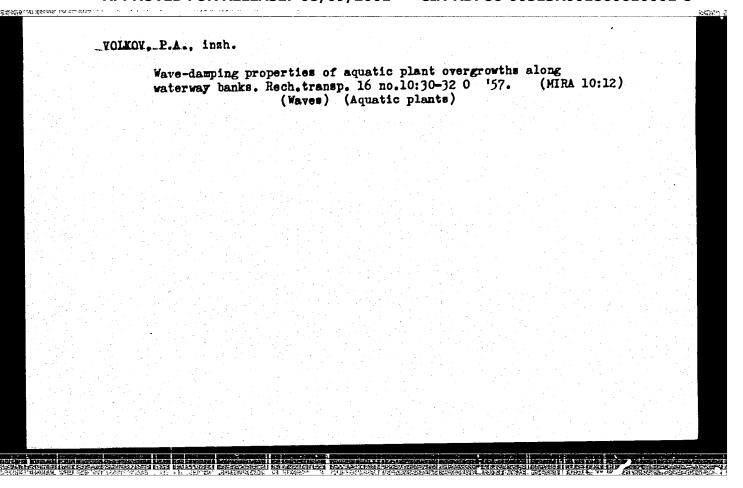
"Seditentation Tank for Hydrostations and Seringlar Systems
Uning Scall Hountain Rivers" Gand Teen Sci. All-Union Sci. Res
Inst. of Main all Magineering and Soil Jacqueseant, Bin Acriculture
USSR, Messew, 1985. (KL, No. 12, Mar. 55)

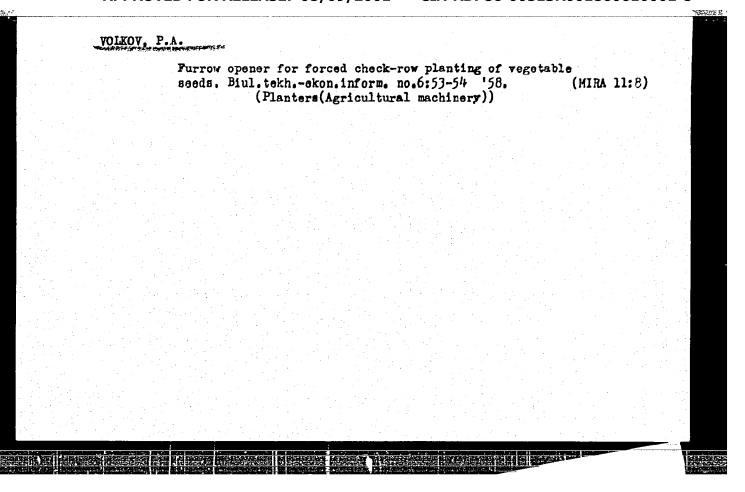
So: Sun. No. 670, '9 San 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

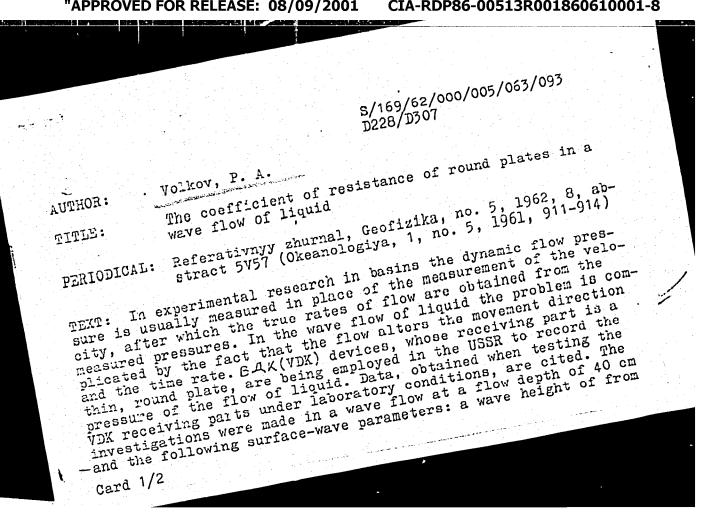
NEYMAN, G.B., dekter bielegicheskikh nauk; VOLKOV, P.A., kandidat tekhnicheskikh nauk; PTSITSTNA, L.V.

Checkrew planting ef sugar beets using furrew epeners with forced drepping and free falling ef seeds. Dekl.Akad.sel'khez.21 ne.6:3-7 (MLRA 9:9)

1.Vesseyuznyy nauchne-issledevatel'skiy institut mekhanizatsii sel'skege khezyaystva. Predstavlena akademikem I.V.Yakushkinym. (Sugar beets) (Planters (Agricultural machinery)







The coefficient of ...

S/169/62/000/005/063/093 D228/D307

5.0 to 17.0 cm, a length of from 90 to 450 cm, and a period of from 0.7 to 2.3 sec. The resistance of a round plate, 15 and 20 cm in diameter, was investigated in fresh water at a temperature of from 16 to 200. Wave flow rates of from 3 to 30 cm/sec and a pressure of from 0.02 to 0.6 g/cm<sup>2</sup> were obtained. It was established for that, at velocities above 10 cm/sec, the wave flow pressures (p) that, at velocities above 10 cm/sec, the wave flow pressures (p) depend on the velocity (v); the relation can be described by the equation:  $v = 35.5 \sqrt{p}$ . A graph is given for the dependence of the companison of the curves of a round plate on the Reynolds number. Comparison of the curves of the dependence of a round plate's resistance coefficients on the Reynolds number in unidirectional and wave flows shows that the coefficient's change in a wave flow Occurs much more intensively, and that the transition to a sharp increase is accomplished much earlier. The possibility of the practical utilization of the experimentally obtained data is indicated. / Abstracter's note: Complete translation.\_7

Card 2/2